Greenland

1897

Book II

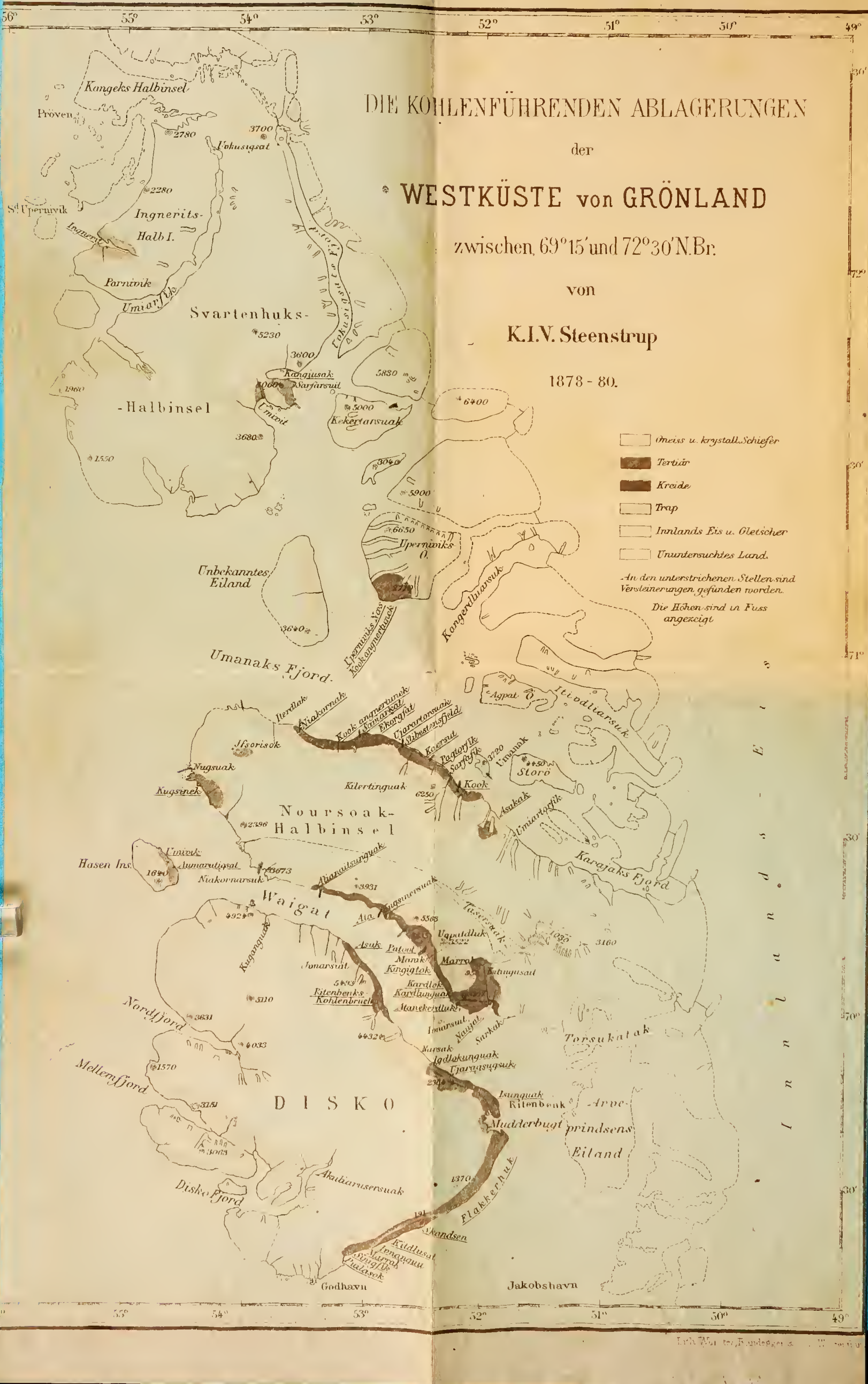
doc. 78

George Baadsgaard
Pastor Ûmenak

NR
14

doc. 78

Greenland trip.
Charles Schuchert
U. S. National Museum
Washington, D. C.
July 12 ~~8~~ – 1897
to [illegible] 25, 1897


DIE KOHLENFÜHRENDEN ABLAGERUNGEN
der
WESTKÜSTE von GRÖNLAND
zwischen 69°15' und 72°30' N.Br.
von
K.I.V. Steenstrup
1878 - 80.
Gneiss u. krystall. Schiefer
Tertiär
Kreide
Trap
Innlands Eis u. Gletscher
Ununtersuchtes Land.
An den unterstrichenen Stellen sind Versteinerungen gefunden worden.
Die Höhen sind in Fuss angezeigt
Kongeks Halbinsel
Pröven
St. Upernivik
Ingnerits-Halb I.
Parnivik
Umiarfik
Svartenhuks-
-Halbinsel
Tokusigsat
Kangiusak
Sarfarsuit
Kekertarsuak
Upperniviks Ö.
Unbekanntes Eiland
Umanaks Fjord.
Kangerdluarsuk
Agpat
Itiodliarsuk
Niakornak
Ikorfat
Atanekerdluk
Kook angnertunek
Nugsuak
Kugsinek
Kilertinguak
Kook
Storö
Asakak
Umiartorfik
Noursoak-Halbinsel
Karajaks Fjord
Hasen Ins.
Umivik
Niakornarsuk
Waigat
Atanikerdluk
Ata
Asuk
Patoot
Marrak
Kingigtok
Kardlok
Ritenbenks-Kohlenbruch
Tasersuak
Torsukatak
Nordfjord
Mellemfjord
DISKO
Isunguak
Ritenbenk
Arve-prindsens Eiland
Mudderbugt
Akatdliarusersuak
Disko Fjord
Flakkerhuk
Skandsen
Kitdlusat
Godhavn
Jakobshavn
Innlands-Eis

Aug. 3 [illegible] 10 ogt [illegible]

Had [illegible] fast a[illegible] [illegible] out to [illegible] among [illegible] feet of the tent. [illegible] all the [illegible] are [illegible] and [illegible] of these have drifted [illegible] that [illegible] mixed. [illegible] then climbed to a [illegible] dangerous [illegible] [illegible] mass of [illegible] colour [illegible] found a [illegible] and [illegible] 1500 towards the [illegible] south [illegible] that [illegible] the [illegible]

There came [illegible] in [illegible] are [illegible] area [illegible] 92. [illegible] have [illegible] due to [illegible] The cliff beneath the [illegible] are very [illegible] [illegible] [illegible] at [illegible] diff[illegible]

Upon the inside the red shales are many by reason of weathering. In some cases, the shale beneath the basalt is unconverted and the layer is almost black.

Mr. White collected plants from three horizons in carbonaceous shale at an altitude of 1700 feet above tide and 700 feet below the massive sandstones.

In the afternoon I again collected plants among the loose shale.

The most abundant invertebrate is an echinoderm which apparently recurs through[out] the series. Then there are two aviculoids, the [illegible] one occurring in the upper horizon. Of Inoceramus I saw only small fragments. These, however, [illegible] and indicate a shell at least six inches long.

I am disappointed with the Patoot flora. The specimens are rare and in general poor. The invertebrates are more rare and very poor.

Stratigraphically the Atane and Patoot beds are one series. The upper [illegible] [illegible] [illegible] feet [illegible] sandstone holding the same [illegible] in both places. From this place one can easily see the Atane cliffs and trace the [illegible] to [illegible] place.

[illegible] we are about
1300 feet th[illegible] the [illegible] c[illegible] ux, [illegible]
altitude [illegible] sea level. [illegible]
[illegible] dip. [illegible]
[illegible] 300 feet th[illegible]. [illegible] beds [illegible]
[illegible]
[illegible] collected [illegible] 300
[illegible] upper [illegible] while the [illegible]
[illegible] about 1900 feet [illegible].

Aug 28-97. Saturday. Patoit.

Got up at 4 AM and after breakfast [illegible]
the road and moved [illegible]. We
[illegible] will be on the steamer [illegible]
At 5.50 we pushed [illegible]
[illegible] which it [illegible]
[illegible] in the [illegible]
the [illegible] as [illegible] and
[illegible] [illegible] "A sublime sight, but rather [illegible]" [illegible] At 10.30
we arrived at [illegible] and was [illegible]

to the shore for a mile by three kiakers. Much of our anxiety is now dispelled since our greatest collections are to be made here and further that we found our provisions left here just three weeks ago undisturbed, with specifics [illegible] ^ Our provisions on the boat and our packing material had almost run out. We then first packed up what fossils we had gathered along the south shore of Nuussuaq and broke open the boxes of provisions. We have more provisions now than we can use during the next week if the "Hope" is on time which will be tomorrow one week.

Our camp at Patoot was pitched at the base of the second cliff of the red hills beginning with the most easterly one. These red hills do not go beyond the creek called Manik. From Manik to Kingigtok there is a great hiatus in that the hills cannot be traced continuously as seen from the boat. Beginning with the stream Kingigtok on the eastern side of which the strata are well shown, they appear to be the same series as at Patoot or Atane. A little east of the stream the strata dip eastwardly but when one reaches

Karalok the strata have a slight westerly dip.
Kandlok appears to be the name of a small
cleft in a hill side. At least such a place was
pointed out to us by [illegible]. Kandlungwak
another stream farther east [illegible] has a [illegible]
eastern exposure and again the rocks appear
to be the Dolerite or Atane series only here
the black shales are not more than one fourth
of the [illegible] thickness. The thickness seems appear
to be a little less than at the two former localities.
After passing Kandlungwak the strata
again have a very slight westerly dip but soon
the fore land comes down considerably lower
and the continuity of the strata [illegible] we
turned to Atanekerdluk!

After dinner [illegible] and I went to the
granite [illegible] of Atane[illegible] to compare
the sketch of Hell's Tooth [illegible] in Nares
Flora Fossilis [illegible]
quite accurate [illegible]
[illegible] different localities [illegible]
[illegible] a the [illegible]
[illegible] a [illegible]

rest of the day. Took a wash in warm water and put on some clean clothes — a luxury.
Weather clear and warm.

Fifth continuous shining day.

Aug. 29 Sunday. Atanekerdluk.

Had a late breakfast and then White and I started out for the Miocene plant beds. These are at an elevation one 1200, the other 1810 feet. The former yields the iron stones or "Atanekerdluk stones". I expected to be able to get a great [illegible] of these but the outlook is rather against this. Returned to camp by 2 P.M. Ground froze above 1200' but no ice on our bucket of water at camp.

[illegible] arriving in camp [illegible] the governor of Sarkak is in our tent to make a call. Mr. Stickney was entertaining him with the wine given us by the Herr Pastor. Dinner was soon ready and we asked the old man in to dine with us. We had soup and crackers, duck and coffee and [illegible] peaches. [illegible] then we served a hot toddy. After this the governor went to his boat for several bottles of beer made in Sarkak [illegible] a bottle schnapps and a box of "[illegible]" cigars. During the [illegible] he

unfolded to us a tale of woe. Young Bartlett the son of captain Bartlett of the [Erik?] it seems would rent some things and engaged some men and a boat for which he failed to pay. The governor gave me an itemized account and a statement and then asked me to hand it either to Lieut Peary or Cap Bartlett. The governor left at 4 P.M.

White and I then started out to search for the Cretaceous beds on the Atanekerdluk peninsula. Found the beds but the plant [rot?] we did not [locate?]. Returned at 8 P.M.

The first finger of my left hand I injured some two weeks ago and then I pricked it at [?] nail [knife and it is hurting me a lot] a few days later it began to swell and today it is quite swollen and gives me much pain. I fear a felon is developing, at least pus is certain to form.

Temperature at 8 P.M. 36° F.

Aug 30 - 97 Monday Atanekerdluk

Had little rest last night due to my sore finger. Rose late and did not go collecting before nine o'clock. I then started up the river to collect Miocene plants in the "Atanekerdluk stone." Remained there all day and in the evening [illegible] of them were taken to camp. The [illegible] of these plants is good but they are [illegible] fragmentary.

[illegible] and one eskimo started out for the western Miocene locality which is 2000 feet above the sea. The cliffs are said to be [illegible] and [illegible] did not [illegible]. Mr White climbed to about 3000 feet took several photos and then came to where I was collecting. He had a hard days work and [illegible] played out, the eskimo, dubbed by us "whiskers."

The weather is again clear and a little colder than yesterday.

Aug 31 [illegible] Tuesday Stamtsdahl.

My finger is swollen more and more and gives me great pain. I am unable to do any work and remained in [illegible] all day.

[illegible] day is a fine one with clear sunshine. Here I am [illegible] [illegible] doing [illegible] unable to do any and [illegible] the [illegible] [illegible] cannot get it [illegible].

I am [illegible] [illegible] [illegible] a seals finger which the men sometimes get in connection with seal catching on the ice about Newfoundland.

Mr. White continues to work [illegible] and if it were not for him the trip to Greenland would not have been a success. He is also suffering considerably from [illegible] sores on his hands [illegible] [illegible] his ears. He is very sensitive to [illegible] [illegible] and small blisters form on his ears which fail [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] are sore.

Mr Hickey continues [illegible] [illegible] [illegible] [illegible] White [illegible] [illegible] [illegible].

This day is fine with his termometer
Froze hard last night.

Sep 1 - 97 Wednesday Atanekerdluk.

Aching all night and more swollen of the finger which was taken in hand, the hand. No festering of any kind has yet taken place. I have decided to go this afternoon to see the Gov. of Sarfalik, Hans Lang, and have him examine my hand.

We leave in the whale boat, seven of us, to Sarfalik at 2.30 P.M. and arrive there at 6.30. The distance is probably eight miles. We were surprised to see young ice making in among a lot of ice lying in an ice bay. All was frozen into one pan.

I purchased of one of the natives a deer skin coat for 6 Kroner, of another one very skin muff for 1 Kroner, the Governor paid very good muff for 1 Kroner and of his son a paddle for four Kroner.

The Governor examines my finger and says he caught a cold in the finger which [illegible]. He immediately [illegible] medical matter very fine and [illegible] water on some cotton bound up in an oiled silk paper. He said this would bring it to a head by tomorrow.

The women as usual bustle around and prepare the meals to none of which they sit down with us. The beds are few and in the parlor where there is one regular bed but the others are improvised on the floor. I am assigned to the regular bed with [illegible] and Stickney sleep on the floor on mattresses.

Gov. [illegible] appears to be a fine old gentleman, [illegible] in [illegible] interests but otherwise [illegible] [illegible]. [illegible] have heard of him [illegible] not [illegible].

The [illegible] at 5.30 P.M.

The [illegible] [illegible] Cuacas No 2 above camp.

Sep. 2[illegible] 97 Thursday. [illegible]

Rested [illegible] badly [illegible] night. After breakfast the [illegible] examined my finger and found it had [illegible] much as yet. Swelling still continues. Under these circumstances I conclude to stay with the [illegible] until Sunday in the meantime he will [illegible] my

finger. On Sunday he goes to Atanekerdluk to remain there until the steamer "Hope" arrive so that he may present his bill to Capt Bartlett for the things and services rendered them in last year and which remain unpaid for. I will then return to camp with him.

Here at Sarkak I will receive as much kind assistance as at home. This is a great satisfaction to know. The fact that I am unable to work at collecting is distressing but I cannot help it.

White and Stickney and the crew return to Atanekerdluk at 10 A.M. The former is anxious to get back so that he may collect.

The governor served us breakfast smoked Greenland deer meat (Tuctoo) black and white bread, butter and coffee. Schnaps and Greenland beer were also served. This was about 8.30 A.M. When we in the afternoon were asked to have a cup of coffee in his [illegible] house. Dinner was then served in the governor's parlor which consisted of [illegible] meat, [illegible] (mitek) all the bones removed, and [illegible]. The two kinds of bread and butter are also present. [illegible]

I must not think our living is common, we have even a served at the meals. The blanket[illegible] under the table. For dessert we have large very ripe crow berries with sugar and milk. These are very good. [illegible] [illegible] [illegible] coffee [illegible] [illegible] cake which [illegible] raisins.

The afternoon [illegible] [illegible] [illegible] [illegible] much and I am writing these notes [illegible] [illegible] in.

For supper [illegible] [illegible] breast [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] it cooked.

[illegible] [illegible] [illegible] [illegible] [illegible] length [illegible] [illegible].

Ground [illegible] [illegible] at night.

Sep 3 - [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] in a [illegible].

morning my slight cold which was nearly gone is some worse. I shall try the cure [illegible] tonight of sleeping on the top of [illegible] feathers with my clothes all on.

Had breakfast at 8 which consisted of cold mitted legs, omelet twelve two kinds of bread and butter and coffee.

It has rained during the night and continues to do so this morning. Tho' however but a drizzle. Oh how glad I am that I have found protection here against the weather and [illegible] medical assistance (even if it appears to do me no good) in [illegible] [illegible] life.

This morning swelling continues but is localized to the third joint of the fore finger. Tho' so puffed up that the skin in one place is sent out [illegible] no matter or pus appears. Some one cut off the other day then oozes pretty [illegible] a little somewhat yellowish water. The treatment is now altered from hot water applications to small [illegible] of [illegible] hot oatmeal. I suppose this is [illegible] [illegible] to a head but it looks as if [illegible] were correct in saying that there [illegible] [illegible] no matter but continues to swell. The pain is no longer acute

but most [illegible] feels an [illegible] french and the [illegible] under [illegible] measure.
[illegible] at 2 [illegible]
[illegible] Tamaigam and rice. [illegible] in
this condition [illegible]
[illegible] camps. [illegible]
[illegible] the governor last Sunday. [illegible]
fond of this [illegible] and [illegible]
[illegible] then [illegible] stars [illegible]
[illegible] the chemist [illegible] in [illegible] history [illegible]
and [illegible] it was "then". [illegible]
[illegible] this [illegible] matter [illegible] good, [illegible] remark-
able to see how under other [illegible] [illegible] might
have [illegible] into [illegible] [illegible] [illegible]
[illegible] However [illegible]
[illegible] [illegible] changed since [illegible]
[illegible] idea [illegible]
[illegible] have been [illegible]
the [illegible]
The [illegible] woman [illegible]
Their garments [illegible]
[illegible]
[illegible]

Mrs. Lang & her three daughters. We pretty go about in the most careful manner and do all things very prettily. When the coffee is brought in the server has upon it a clean and nice piece of simple embroidery. The cups and sugar bowl are arranged just so. I have acquired one danish custom in that I always shake hands and give my thanks after a meal. It is so pretty a little thing that I think it should be introduced in America.

This afternoon Bro. Lang tells me that his son at Haarby [illegible] has quite a number of fossil plants from the coal beds there. He would sell a box about 2 feet long by 1 foot wide and 1 deep for about six crowns. I would gladly pay the price but there is no way to get them over the freight weight is so whole [illegible]. He also collects things from other places on Disco, one I remember as Mannik. This place known is on Noursoak near Patoot.

The rain and clouds have gradually cleared away. This afternoon the day is bright and sunshiny.

Bro. Lang is placing warm oatmeal on the [illegible] on my finger every two hours. There seems to be no organic [illegible] only swelling [illegible]

[illegible] nine [illegible]

[illegible] which [illegible].

See Whites [illegible]

Le S. 11-9 Satur[illegible]

Last night [illegible] the [illegible] I ever [illegible], [illegible] sleep at all, [illegible] which [illegible] purely and [illegible]

[illegible] at [illegible] water and [illegible] a little Carbolic [illegible] a disinfectant. [illegible]

[illegible] and tenderly. [illegible]

[illegible] and [illegible]

[illegible] to the [illegible] yellow [illegible]

[illegible]

[illegible] medicul [illegible]

[illegible] under [illegible] side [illegible]

is dead and, has no [illegible]. However it is clear that the [illegible] is [illegible] yet,

For breakfast we ate bread and butter and thin slices of smoked [illegible] and [illegible] which is caught here in the winter time. The latter [illegible] some of Sturgeon. We [illegible] enjoyed some [illegible] and [illegible] [illegible] one [illegible] [illegible] [illegible]

At 1.30 [illegible] and [illegible] more [illegible]. [illegible] looks ready and [illegible] the [illegible]. [illegible] and applied Carbolic bandage.

Dinner shortly followed [illegible] [illegible] [illegible] [illegible] a [illegible] [illegible] served [illegible] [illegible] and [illegible] [illegible]. Bread [illegible] coffee with [illegible] cake [illegible] the meals [illegible] [illegible] a [illegible] [illegible] [illegible] enjoy it. [illegible] [illegible] would [illegible] for cups.

At 4 P.M. every body in [illegible] [illegible] Umegak [illegible]. [illegible] [illegible] any [illegible] running [illegible] [illegible] [illegible]

Sep 5-97 Sunday. [illegible]

The storm continued [illegible] through the night and much rain fell. The ship therefore pitched and rolled much and with the pain in my hand I slept little last night.

We arrived in [illegible] at 8 A.M. just in time to avoid another storm. The weather was stormy all day with [illegible]. Much stuff in [illegible].

I again [illegible] very [illegible] during the day. More painfully [illegible] than I have been subjected [illegible] all the day.

(Copied from) [illegible]'s journal [illegible]. All [illegible] in forward cabin alarmed about [illegible] dynamite which is not secured in hold. Have been [illegible] all day. Somewhat easier, less pain in hand, but still confined to berth.

This a [illegible] night

Sept. 6-97 Monday. [illegible]

The storm [illegible] all day [illegible] the day [illegible], the sea is running very high. We are all very thankful that we are in a safe harbor. It continues to rain.

The [illegible] is at work [illegible] the [illegible] in the [illegible].

My finger is again dressed this morning. The [illegible] from [illegible]. I am in bed most of the day too.

Outside of harbor the sea [illegible] that rise against the cliffs to heights [illegible].

Barometer low.

Sept. 7-97 Tuesday. [illegible]

The storm [illegible] the night. It is cold, clearing after the rain.

At eleven this morning we [illegible] on a very high sea. for, harbor [illegible], but the [illegible]

[illegible] my finger [illegible]

[illegible]

[illegible] very [illegible]

[illegible] all the [illegible] [illegible] sick and wailing. See [illegible] [illegible] latter page

injection. He now says he will [illegible] no more [illegible] or [illegible], but [illegible] [illegible] [illegible]. [illegible] the while he seems [illegible] [illegible].
I am again [illegible] [illegible] the day.

The ship [illegible] [illegible] and [illegible] good [illegible] [illegible] [illegible] wind.

Lieut [illegible] wanted to stop at [illegible] but on finding out that the [illegible] [illegible] and make use of the good weather he changed his plans.

Sep. 8 Wednesday   Davis Strait.

I slept little [illegible] [illegible] [illegible] continued lying ahead. This morning [illegible] [illegible] is cleared. It is [illegible] [illegible] [illegible] and quite [illegible] [illegible].

The day is a clear one [illegible] wind [illegible]. [illegible] during the day and by evening the ship [illegible] again [illegible]. Many of the dishes are [illegible], the stove [illegible] [illegible] in [illegible], all the [illegible] things [illegible] [illegible]. There is no sleep for any one tonight. [illegible] [illegible] [illegible]

sick and not few are eating. So far I have not been sick. Sam brings me chocolate and toast whenever I ask for it.

We are all alarmed during the storm about the meteorite, should it dislodge it may go through side of ship. No ice in sea. Temp. 38°F. The sea is up and trouble is ahead. Much water is shipped. White says he shall never forget Davis Strait.

Sept. 9, Thursday, Davis Strait.

What a night we have passed through! Such rolling of the ship and tumbling about of things in the forecastle. It began to quiet down about five o'clock and this morning all goes well again.

My finger discharges badly. It threatens to break through at the back of the finger also. I remain out of my bunk today several hours.

Land was sighted yesterday evening. Like this we might reach [illegible] and will arrive at Godhavn early tomorrow morning.

The waves last night washed over the deck of one side of the ship. Parts of mid ship at times under water. White says he was alarmed much of the night

Sep. 10. Friday. [illegible]

Back again at [illegible] [illegible], [illegible] [illegible] arrived [illegible] [illegible]. It took longer to get here from [illegible] camp. [illegible], shortly after [illegible]

Jansen [illegible] [illegible] and tells us that my Fitz[illegible] [illegible] and [illegible] are in his camp, and that

[illegible] [illegible] [illegible], Beal, White and

Fredrick with eight [illegible] [illegible] [illegible] [illegible]

left Cape [illegible] a few days [illegible] [illegible]

[illegible] for Forbisher [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

that some accident may have [illegible] [illegible].

If [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] will [illegible] [illegible].

My finger [illegible] now [illegible]

a small hole [illegible] [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] the water

applied to it [illegible] coming failed to go through the

other opening.

[illegible] [illegible] [illegible] [illegible] [illegible]

A [illegible] [illegible] [illegible] [illegible] [illegible]

setting in [illegible] [illegible].

Sep. 11 Saturday [illegible]

Had little [illegible] night than any night for [illegible] past four weeks. Pussy is [illegible] full [illegible] the [illegible] of my finger. Dr [illegible] squirts into it with a syringe, water with [illegible] chloride of mercury and [illegible] carbolized [illegible] ([illegible])

The storm continued to increase in violence during the night ^with occasional snow^ and we are [illegible] [illegible] [illegible], [illegible] in [illegible] [illegible]. ^Hemans [illegible] might [illegible] [illegible]^ It must have ^ [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and we are considerably alarmed [illegible] [illegible] safety.

[illegible] and today considerable coal was taken from one side of [illegible] [illegible] so that [illegible] [illegible] are to be [illegible] [illegible] to [illegible] [illegible] [illegible] moving. We [illegible] will not be able to [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Tuesday.

White discusses Heins contemplated Chesmere [illegible] and finally tells him "he is organizing a large private [illegible] of it."

White [illegible] [illegible] our Greenland [illegible] [illegible]

There is [illegible] moon-light at night, but [illegible] [illegible] [illegible]

Sept. 17. Sunday [illegible]

This day is a splendid one. The sun is out in full [illegible] and there is scarcely any wind. [illegible] I spent [illegible] hours on deck. Most all of the ship are ashore. Since we have arrived Mr. [illegible] has entertained nearly all of the [illegible] of the ship. [illegible] are better [illegible] of the [illegible]. [illegible] However he did not [illegible] me some [illegible] duck.

Before noon one [illegible] British as usual [illegible] [illegible] [illegible]. Later in the day [illegible] the [illegible]. [illegible] are all [illegible] [illegible] [illegible] that [illegible] [illegible].

The [illegible] [illegible] about 5.30 P.M. [illegible] [illegible] [illegible] [illegible] is said to [illegible] [illegible] [illegible]

aboard the vessel by 1 P.M. and the Hope will sail away shortly after. I would like to remain a day or two longer but the extension would not be granted them.

My hand now gives me little pain, but is a burden nevertheless. Puss [illegible] from the sore on the back of hand.

Autumn colors here now in last stage.

Hope leaves James at 2 P.M.

A fine night.

Sept 13 Monday. At Sea.

About ~~two~~ [illegible] [illegible] [illegible] the anchor being raised and various voices [illegible] Pole [illegible]. This morning I learn that we left Cape Haven at 4 A.M.

The sea is smooth while the sun is somewhat obscured by a haze. I [illegible] breakfast and [illegible] the same [illegible] much [illegible]. The swelling is going down [illegible] and [illegible] [illegible] less than heretofore. [illegible] to be over.

We passed Cape Chidley about 7 P.M.

The movement of the ship was a little too much for me after dinner and [illegible] bed until some time after the sea was again smooth.

Temperature at 9 P.M. is 33° F.

[illegible] Tuesday. Off Labrador.

The sea was quite smooth during the night and I slept well. Had breakfast with the balance of the passengers.

My [illegible] is dressed and [illegible] as well as can be expected.

[illegible] is a clear one and the sea quite smooth.

Had a talk with [illegible] this morning about [illegible] wages. [illegible] I understood that I am to pay his wages for the time [illegible] ashore. [illegible]

Bray says that [illegible]

engaged by the ship to take Jim's place so that we could have him. While I don't believe the story yet I thought it best to pay Lieut Peary sixty dollars for three months service and close out the affair. I cannot help thinking that Lieut Peary is on the make whenever he can see his way clear to do so.

Sep. 15 Wednesday Off Labrador

The sea was again quiet last night and I had therefore another good night's rest. My finger was dressed after dinner. Considerable pus was found, the wound [illegible] for the tendon of the finger, the fore part [illegible] wound is doing nicely.

We [illegible] [illegible] [illegible] to put in at Turnavik for mail.

All the passengers are getting very tired of the ship, the dirt and the [illegible] meals. I am sick and tired of the journey.

Sep 15 Sunday [illegible]

[illegible] this morning [illegible]. We lost the [illegible] of the [illegible] for the [illegible] away. When it did we were [illegible] our position to be about 15 or 20 miles south of Tarraville(?). When this was discovered it was decided [illegible] the Tasmania(?) for the [illegible]. Another case of poor seamanship.

On dressing my [illegible] [illegible] [illegible] much [illegible] [illegible] [illegible] however the [illegible] may [illegible] up soon. The [illegible] a dry week.

I spent [illegible] in the [illegible] due to the [illegible] of the vessel.

To day we had [illegible].

Sep. 17 Friday. Off Labrador.

The fog continued all day and but little progress was made. A storm threatens and the ship pitches some. Most of the day was spent in the bunk.

Towards night we approached the straits of Belle Isle but due to the fog our position is problematical, but do not see. We saw two steamers lay in the fog during the night.

A few of the passengers are somewhat alarmed for our safety due to the proximity of the land and the thickness of the fog.

Battle Harbor was sighted.

Sep. 18 Saturday. [illegible] Isle

Early this morning the [illegible] grew
sea [illegible] and be-gan
in considerable danger.
[illegible]
[illegible] Island [illegible]
[illegible]. We are [illegible].
Later the [illegible] and
we [illegible] sail [illegible]. [illegible]
[illegible] and
a steamer [illegible] in [illegible],
[illegible].
Little [illegible] made.

Sep. 19 Sunday. Off [illegible] Island.

We steamed all day along the [illegible]
coast of the [illegible] island. In the afternoon
[illegible] in our [illegible] and
[illegible] is very [illegible]. [illegible]
in my [illegible] most of the day.
[illegible] in the afternoon

Sept. 20. Monday. Off Nova Scotia.

We had calculated to arrive in Sydney about noon today but since the ship made slow progress during the night we will not arrive before late in the afternoon.

After dinner I removed all my dirty clothes which I have worn for more than one month without a single change. I put on with Mr. Smith's assistance clean clothing. I have on now much less clothing than I have been wearing for two months and I hope I will not catch a cold.

Everyone seems to be making slow progress and I sometimes think [illegible] have [illegible] to do little.

I am homesick as we [illegible] land. I never wished and longed for a time more than this. The [illegible] will seem to me more like a geological night-mare than an actual [illegible].

Left the [illegible] 5.45 and took the ferry for Sydney where we arrived at

[illegible] [illegible] [illegible] Sydney Hotel.
I am glad the trip is at an end.

Sep 21 Tuesday. Sydney.

[illegible] [illegible] [illegible] [illegible] morning.
In the afternoon called at Doctor [illegible] to see the [illegible] [illegible]
I am gradually getting better and stronger in my legs. It is cruel to [illegible] [illegible] [illegible] [illegible] eat.

Sep 22 Wednesday. Sydney.

Dressed my fingers in the morning and at 10 o'clock [illegible] by [illegible] for St. John. He asked [illegible] the [illegible] [illegible] very [illegible] and gave an attendant [illegible] [illegible]

see the beautiful scenery of Cape Breton Island. The route until noon lay along the salt water lake called Little Bras d'Or. The train stopped on one side of the water when the passengers got out and all passed across ^Ho Ovra Section^ where another train is in waiting. The scenery from now on is more inland and by 7 P.M. we are at Truro. Here we again change cars and wait until 10 P.M. when the train from Halifax arrives. I take the sleeper and enjoy a very clean berth.

Sep. 23 Tuesday. St. John.

Arrived here at 6.05 this morning. Went to the Royal Hotel. At 10 called on Mr. Matthew and spent the day with him examining the so-called Devonian plants described by Dawson. Mr. White is more convinced than ever that these plants are Carboniferous in age. Certainly they are unlike Devonian plants and are more highly developed than the plants of that age.

Mr. [illegible] concluded [illegible] better

go direct to Washington. He [illegible]

[illegible] the [illegible] of collection

[illegible] about, here and [illegible] Due to

Boston to [illegible]. I

agree [illegible] rest [illegible]

[illegible]

[illegible].

[illegible] Friday [illegible]

Left [illegible] at 7 A.M. and

arrived in Boston at [illegible] P.M.

[illegible] the [illegible] for [illegible]

[illegible]

[illegible] Saturday, 1897.

[illegible]

and [illegible]

[illegible] at [illegible] P.M.

The [illegible] and [illegible] begun on July 12th was completed on Sep. 25, 1897. Some two months and about 1/2 days.

Expense acct. of the U. S. National Museum Greenland Expedition of 1897

July	2	Two tents, poles & pins (Voucher no. 1)	$19 40
"	6	1 lb. Cotton rope	30
"	12	Railroad to Boston for C. Schuchert & D. White @ 12.25	24 50
"	12	Sleeper to Boston for two @ 3.00	6 00
"	"	Transfer of baggage for two 75¢	1 50
"	"	Supper on cars for two	1 25
"	13	Breakfast in Boston for two	1 55
"	"	2 rubber blankets (Vouch. 2) @ 1.25	2 50
"	"	1 Hatchet	50
"	"	Lunch for two in Boston	50
"	"	Street car fare (4 trips)	20
"	"	Dinner for two	1 50
"	14	Culinary ware for Camp use (Vouch. 3)	9 75
"	"	3 Oil stoves (Voucher 3a)	4 50
"	"	1 lamp.	35
"	"	1 rail-road pick	90
"	"	1 thermometer	65
"	"	Breakfast for two	1 00
			$76 85

			$76	85
July	14	Lunch for two		65
"	"	Street Car fare		26
"	"	Supper for two		70
"	15	Breakfast for two		60
"	"	Lunch for two		70
"	"	100 lbs newspapers for wrapping		50
"	"	40 bags for fossils (Vouch. 4)	2	35
"	"	Expressage on tents (Vouch. 5)	2	50
"	"	Supper for two		70
"	16	Breakfast for two		60
"	"	Lunch for two		60
"	"	1 boat of Richardson (Vouch. 6)	24	00
"	"	Dinner for two	1	75
"	"	Labor paid in rowing whale boat from Charlestown Navy Yard to steamer Hope	1	50
"	16	Street Car fare		46
"	17	Breakfast for two		65
"	"	Groceries from S. S. Pierce & Co (Vouch. 7)	162	61
"	"	Wagon hire		75
"	"	Sheet lead, .81 ducking to repair tents 1.08	1	89
			280	62

over

			$280	62
July	17	Lunch for two		55
"	"	Dinner for two	1	10
"	"	Hotel to Parker House (Vouch. 8)	11	05
"	18	Breakfast for two	1	50
"	"	Dinner for two	1	50
"	"	Supper for two		60
"	19	Hotel to Parker House (Vouch 8)	6	00
"	"	Breakfast for two		60
"	"	120 ft. of rope	1	51
"	24	1 skiff of Burchell Bros. (Vouch. 9)	18	00
Aug.	7	Messenger hire to Sarkak		28
"	9	1 tin bucket & screws at Omenak		41
"	"	Labor to four Innuits as boatmen		
		134 days @ 42 (Voucher 10)	56	28
"	12	Nat. Hist. specimens purchased		
		of Mr. Breata, Karsak, Greenland	5	38
"	12	Ducks purchased of natives		28
"	13	Fish " "		28
"	16	" " "		28
"	18	Fossils " "		44
			386	66

			386 66
Aug.	18	1 suit of Innuit male garments for Museum purchased at Niakomak	4 20
"	18	Ducks purchased of natives	56
"	19	Fossils " "	14
"	"	5 gal. seal oil for stove use	1 12
"	21	Ducks purchased from natives	28
"	29	" " "	14
Sept.	4	Indian relics purchased of Mr. Long, Sarkak, Green.	10 00
"	6	Purchased 1 native fish hook for Museum exhibit	28
"	14	Salary pd. to Lt. Peary for assistance rendered by Sam Bracer (Vouch. 11.)	60 00
"	18	Carpenter hire on ship to make boxes	25
"	25	Railroad fare for C. Schuchert from Boston to Washington	11 23
"	25	Sleeper to N.Y. 1.00 Porterage .25¢	1 25
"	26	Breakfast in N.Y. for C. Schuchert	75
"	"	Dinner on cars	1 00
"	27	Cartage on Colls. from Constitution wharf to N.Y. & N.E. R.R. depot.	3 50
"	27	Breakfast 30¢ Dinner 75¢ supper 50¢ for David White	1 55
			482 71

over

			482 91
Sept.	28	Hire of 2 men to transfer whale boat to Navy yard	1 25
"	28	Breakfast 45¢ Dinner 65¢ for D. White	1 10
"	29	" 40¢ " 90¢ "	1 30
"	"	3 days lodging at Parker House for D. White (Voucher 12)	4 50
"	29	Railroad fare for D. White from Boston to Washington	11 23
"	29	Baggage transfer in Boston 3 pieces	75
"	"	Sleeper to N.Y. 1.00 Porter 25	1 25
"	30	Breakfast	50
"	"	Dinner on cars	1 00
"	"	Transfer baggage in Wash.	50
			$506 29
		Received of Wm Stickney for subsistence and privilege of joining Museum party while in Greenland	50 00
			$456 29
		For transportation to Lieut Peary for C. S. & D. W.	900 00
			$1356 29

Some of the passengers on the Hope

Albert V. Shaw, Newton Highlands, Mass

Prof. Russell W. Porter, Springfield Mass

W. A. Boal 1732 Michigan Ave
Chicago Ill. (Harvard student)

C. Arthur Moore Jr 49 Eighth Ave
Brooklyn, N.Y.

Albert Operti (artist) N. Y.
151 W 35th St.

Doctor Fred Johnson, Washington, D.C.
512 I st N.W.

Wm Stickney, Bethel, Vermont.

Capt. John Bartlett, Brigus
Newfoundland.

Dr. — Fitzgerald, Baltimore.
1309 N. Charles st (Maryland Club).
His son Charles with him

July 30 - 1897

The following is [illegible] from [illegible] diary:

Had a [illegible] with Jensen, the [illegible] man on the deck. He tells me much of his [illegible] history, including a horoscope [illegible] [illegible] in the [illegible] [illegible] [illegible] when a [illegible] was a child. His future was [illegible] [illegible] [illegible] that he would reach the arctic regions, that he would suffer great [illegible] and [illegible] [illegible] fat cut, that he would [illegible] [illegible] [illegible] and that he would ultimately attain [illegible] and renown. Jensen tells me he [illegible] the slightest idea of [illegible]; but [illegible] 1892 he met Capt. Clinton a [illegible] [illegible] [illegible] station in Baffin Land. There [illegible] [illegible] drifting 6 days and [illegible] nights on an ice cake, [illegible] [illegible] was cut 30 odd times, and [illegible] in [illegible] complete amputation in the [illegible] [illegible] in 1890. [illegible] [illegible] [illegible] as a [illegible] and [illegible] [illegible] [illegible] [illegible] the [illegible]. [illegible], so far, [illegible] [illegible] [illegible].

August 2 - 1897 Baffin Land.

Taken from White's diary:

Hope discharging stores for Jansen. [illegible] morning. S. and G. went up valley east of ridge near station, walked to coast, crossed ridge to fiord, went around fiord and up on highest summit 930' this side of second fiord and red mountain. Saw [illegible] of ducks, 1 goose, numerous guillemots which were very tame, several gulls, and ptarmigan in two places. The latter birds were so tame as to be almost [illegible]. Many snow banks and small glaciers. Red snow. Tramped about 11 or 12 miles. Reached vessel soon after six P.M. Cold at night.

Red Mountain [illegible] ascended [illegible] of red shale (upper part) [illegible] and followed by [illegible] grey rock of softer nature. Had no time to climb it. Reached summit at 4.45 and [illegible] to stop and rest or return to ship, [illegible] the load.

August 3 1897

From White's journal.

When we dropped "Jansen" [illegible] to fly on the Station dipped three times in response to which [illegible] and White dip the British Ensign at [illegible] each, while repeated salutes were fired off [illegible] steam and on land. Soon the point was rounded [illegible] at 5.15 Mr. Jansen and the other [illegible] dropped off into the whaleboat, and [illegible] in [illegible] little boat (which was heartily cheered) and [illegible] were lost to sight in the thick veil of fog [illegible] to-day obscured the upper portions of the towering rock mountains. Immediately we found ourselves in a very nasty swell bathed in a thick fog.

About 5.30 Mr. [illegible] and [illegible] came up and vomited and soon [illegible] the evening. [illegible] Lee and Fi[illegible] also disappeared for [illegible].

At 6.30 the [illegible], [illegible], Lee and [illegible] Peary came forward to tea, all [illegible] of the table. [illegible] spirits and White [illegible] in the room and [illegible] the mate announced that we were passing walrus. [illegible] and [illegible] about seven of them. A little later we [illegible] three more swimming in the water. [illegible] White [illegible]

gleaming. At 6.30 the fog [illegible] and we steamed full speed. An ice bag was passed in the [illegible]. No cakes of ice were seen today.

Temperature at 7 P.M. 37°, [illegible] 35°.

Retired in a badly rolling and pitching vessel at 10.15

Rough night, [illegible] by sound of pumps.

<u>August 2, 1897</u> From [illegible]

Washed out white woolen shirt, two handkerchiefs, one towel and [illegible] socks. Washed well. Shirt fell on [illegible] floor after being hung up, and one sock went into coal scuttle.

Temp. at 9 A.M. 37°, 48° at 1 P.M. and 40° at 5 P.M.

August 5 1897. From Kite

Noon before we find ourselves about five miles off Sukkertoppen. Fine view, smooth water, multitudes of water fowl, chiefly [illegible]. Mountains in view, deep fiords, snow caps and snow banks (glaciers) streaming down sides. Too far away to see inland ice-sheet. The bold coast, jagged and flecked with patches of ice.

August 7 1897. From Kite

Before one sees the village of Godhavn, one sees towering cliffs of basalt resting near water on screes. Magnificent stratification. No sign of town, but after long sail we steer straight for rocky walls, when cleft opens and we sail in narrow passage to right and see a few buildings (Godhavn) by the harbor. Flags floating from Inspector's residence and from Governor's store and house. Other dwellings of Esquimaux types (stone and turf) with wood windows, doors etc. Salute with guns interchanged as at other ports and flag dipped.

August 8, 1897. Tim Inlet

Rose [illegible] bay & strait, at [illegible]. Magnificent sunset lasting [illegible] to 8.30, indescribably beautiful — blue haze on [illegible] Mts on horizon, golden tinted stream of light — glinting rays on Mts of [illegible], lighting glaciers, and reflecting on bergs and in water. Saw [illegible] Jackal, Falcon [illegible] near [illegible]. Numerous bergs and ice around.

The [illegible] at sunset [illegible].

Sunday.

August 22 – 1897 Nougsuak

From Phil's diary:

We put off at 10.30. There is a fair wind and we sail along at a good rate covering 12-13 miles in the next 2-3 hours. Then the wind dies out, and we row. Our new men take hold well. It is clear and beautiful beyond description. [illegible] land above 1000 feet is covered with snow. The slopes are brownish green where no snow is and the sea of deepest blue. The sun shines quite warmly, but air has an icy chill, and it froze last night. The hills seem deeply covered with the newly fallen snow.

Row till about 2 P.M. when cold lunch was served in boat. About 3.30 a favorable breeze springs up, sails are spread and soon after we have heavy seas. Boat labors heavily and ships considerable water and makes relatively slow progress, due in part to the drag of the tow at her side and astern. For a while two kayaks were loaded in small open boat, the other two towed, these last swamped and were dragging bottom side up at the end of tow line. It is a wonder they did not break or swamp us. I am much alarmed, [illegible] and [illegible] Oh my, Oh my, etc. In former years at Point it was unusually rough, stormy and tide against us there was doubt of our being able to surmount it. However we

finally got into calmer water and turned into a cove on the windward side of which was a narrow niche between rocks into which we rowed and [illegible] in [illegible] to be in a refuge from the waves and saved the kyaks. Landed at ruins of [illegible] having come half way from [illegible]-[illegible] to [illegible] since morning. It was a "Greenland experience", within an inch of our lives. While in brilliant sun amidst grand and imposing scenery. Of [illegible] turned out to be [illegible] place. It [illegible] the name. The place [illegible] [illegible] Eskimo living place, but the natives know nothing of it in their time. The old house sites, all now or near sea level, means the place has since subsided. Section of floor of [illegible] shows at top two feet of black earth [illegible] with bones etc. [illegible] in [illegible] [illegible] sea, south, [illegible] [illegible] [illegible] and [illegible] during the winter storm [illegible] 2 [illegible]. [illegible] raw and chilly. Several icebergs [illegible] [illegible].

We all [illegible] to be safely on land again after [illegible] alarms and hardships expecting our boat [illegible] next to Cape [illegible]. It was unfortunate that the [illegible] should loose all their tackle.

Monday Aug. 23 - 1897. From Whites, to [illegible]

Starting at 8.15 A.M. we hugg coast for shelter against the wind. Great quantities of broken small ice strewn over the water and makes it hard to steer, especially since our course lay for several miles in the track of the sun. We have several narrow escapes. I stand in the midships acting as ice pilot. It was easy rowing though the current was with us. But when we came to the cape, Niakornarsuk, we came to face a very heavy sea as well as head wind. Progress was slow and for one hour we rattle hard to crawl on towards shore, stemming all the rollers head on and trying to steal in shore between times. Some water was shipped and considerable anxiety experienced. On reaching near shore the water was smooth[illegible]. By 10 A.M. the wind began to swell up. I rowed from 11 to 1 P.M. raising some blisters. Reached Awaitsuk at about 2.30. Camped early and comfortably, with which I and [illegible] go for [illegible] along the shore, but found none. Returned in time for supper.

Tuesday August 24, 1897 White's account.

Freezing cold. Water frozen. Hurry to breakfast. Sunrise on Disko Island Mt. tops when we get up. Perfect morning. Start at 4.45 A.M. and row with light wind and tolerably smooth water to Atane, about 5 miles, reaching the latter place about 10.30 A.M. See several seals and hundreds of eider ducks, gulls. A most delightful ride in spite of the cold. The sky cloudy till near noon. Falling barometer and clouds spread from west. Lunch at 12. B. and White climb 2200' to basalt. Collected some shells and plants. Start supper about 8 P.M. and find water freezing in bucket.

Foliage plants about Ata, net birches, crowberries etc in gorgeous autumn colors, crimson, orange and brown.

Monday, August 30, 1897 White's account.

Clear east wind. Froze 1/4 inch ice on bucket. My sunburnt ears are sore on which I am unable to lie and which are badly inflamed. Especially the left one and it is suppurating.

"Whiskers" in Othello and I take lunch and with him climb Mt to locality no IV. Whiskers' windsuit and his Kamiks are thin, so I have to wait his coming. My barom-

the ... [illegible] 3240'. [illegible] snow above 2500'. [illegible] [illegible], in [illegible] [illegible] about in snow, feet wet. Climb higher [illegible], take photos and eat lunch. [illegible] on lower [illegible].
Then descend to [illegible] at [illegible] I, at 5:30 P.M. Pack [illegible] and [illegible] [illegible] naturally tired. Whiskers [illegible] out.

Calm night, 40° at 7 P.M.

[illegible] have [illegible] and [illegible] in camp.

Saturday Sep. 4, 1897. [illegible]

Cold light wind [illegible]. Rainier when I arise. Remain in tent till [illegible]. [illegible] [illegible] in clearing [illegible] day [illegible] and climb to 1100'. [illegible] [illegible] [illegible] at [illegible] 11:30 [illegible] whistle [illegible] [illegible]. [illegible] and find [illegible] [illegible] [illegible] [illegible] [illegible] and Stein. [illegible] and [illegible] back [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] and [illegible] [illegible] [illegible].

I provision men for their return home. Sam and I go aboard to ship. Soon our baggage comes aboard.

Autumn colors fine on Nourse's south side.

Hope proceeds to Sarfalik. Several boats come off but no Tobluchat nor the Governor. Finally Stickney, Opiti, Figgins, Tom Perry and I get into our boat and row ashore. Meet Gov. and Tobluchat and take the latter, still suffering greatly from finger, to Hope. The latter then sails at once for Disco. Soon rain sets in. Retire at 10.30 P.M.

<u>Tuesday Sep. 7, 1897.</u> White's Journal.

One of the Eskimo men is on the rail at deck and asks Peary for megaphone, and putting it to his mouth bawled something out over the waters. Mr Peary understood what he said, saying he was calling on the departed spirit of his father to drive away the wind.

Copy of [illegible] field note book of 1897.

Rock at Nome.

Ravine 100 yards [illegible] of igloo at Nome; ascending [illegible] 75' above tide.

10' ± Light yellow [illegible] ss, some pebbles and fine congl. [illegible]

35' Light ss, coaly sh. with [illegible]. Plant. 10' above base

15' Buff sandy sh. Then 4" coal and sh.

5' White ss.

50' ± Creamy ss, sh, [illegible] with thin interbedded streaks of coal.

Extends to about 225 (A.T.) of ravine.

Strata dip 5°–12° [illegible]. [illegible] near [illegible]

Ravine W. of igloo at Nome. Ascending

40' Concealed. [illegible] 20' ss and coaly sh. at base

20' ss, congl, [illegible] sh., [illegible] sh., coaly sh. and thin coal [illegible] bed.

70' like previous with [illegible] coal streaks in upper 20'

30 Loose sand

70' [illegible] ss and [illegible]

[illegible] green [illegible]. To W however, [illegible] a. [illegible] 880' A.T. (aneroid)

[illegible] W. [illegible] at [illegible] level [illegible] 20'. [illegible] however, [illegible] fruits, [illegible]

Kook - Sarfafik (continued).

of their creamy, often coarse arkosic congl. ss, sometimes massive but never well cemented, usually crumbling readily, the result is great slumping of beds along shore and ravines. It is especially susceptible to the influence of ice action.

Coals are mere coaly or smutty streaks interbedded in coarse loose ss or black more or less sandy carbonaceous sh. All are thin and would seem to constitute but poor fuel. Ordinarily would not be called coal. Fifty tons mined annually for use at Umanak. There is little regularity in the rise, lenses of ss, split, sh, interfere with regularity. Coals often a few inches apart, sometimes separated by white or creamy sand. In general they appear to be in two groups, (a) within 200' of sea tide or the unconformity gneiss at tide. (b) about 400'-500' A.T. (c) about 800'. The details of stratigraphy vary too much to make detailed sections of value to hold over considerable distances.

In general the dips 5°-15° towards the coast (N.), steepest near the shore and flattening somewhat gradually farther up the ravine. A slight westerly dip is seen along the coast though it is apparently only local.

At a point about 1 m. E of Sarfafik (photo) the Cret. is seen to lie along shore horizontally against a hill-knoll of reddish granite or gneiss, thus

Ikorn – Qarfafuk continued.

For a long distance E. of [illegible] the glacial talus reaches the sea, or is occasionally [illegible] till near the little inlet before the protruding [illegible]. For several miles we then reach the [illegible] in low fold and [illegible] protruders.

Karsuit Section. Seminsuls to 300' A.T.

580' Bedrock [illegible] out from glacial talus. [illegible] grey SS and sandy sh. ft

640' Thin coal. Thin thick or dark grey SS and sh ft

700' Black [illegible] sh only thin coal [illegible] SS ft

712' Hard sh with [illegible]

Thin coal. [illegible] sandy sh with coaly streaks. ft

750'. SS greenish congl.

756' Coal (good) for a few inches, [illegible] and 10' of [illegible] yellow congl. SS with [illegible].

790' Coal. 795' SS [illegible]

800' Thin streaks coal. [illegible] SS and sandy sh with ft

835' Thin black sh and sandy sh [illegible] shale ft

890' Basalt [illegible]

[illegible] covered with [illegible]

1010' [illegible]

[[illegible] little [illegible] Photos here [illegible]

Kaersuit - Pagtorfik (cont.)

clay and sands with fossils at about 100'-150'.]

Gneiss hill is well laid bare in foreground. Crags higher up back of hill in ravine are of iron indeed, specimen taken from last. One crag sh. close beneath basalt all baked by heat

Good plants in dark sh. under ss at 700'

First thing we found right up bones at 620'.

All valley full of boulders from glaciers.

W. of Kaersuit a distance the light orange then ss and sandy sh with many brown coaly streaks, About 4-5 mi. W. of Kaersuit very many coaly streaks, show in lower 50'

Slibestenfeld, Ravine E. of camp.

70' concealed by drift. Then 20' tuff ss. Coal 2' ±

60' ss. dip about 35° N.N.W. Conglom. gives up dip and [illegible]

330' A.T. Dip continues, increased to 15° ± 460' (+ more 500')

Resume section in next gull. W. (a tributary to the glacial stream coming down near Slibestenfeld at 500'.

Buff cross bedded ss, 30' dip about 10° N. Ironstone concretions scarce. This ss lies in stream for a long way up and also extends to N. branch of stream at 360 A.T. Little below 1/10 of main glacier

Sitenstenfeld (cont.)

Coal and coaly sh 6' Has Pinus Crameri. Then ss 5'
Dirty coal 2'. Coaly sandy sh 5'. X bed ss 40'
Drift 10'? ss & congl. from gully &c and just in front of
which small glacier starts
760 AT'
Coal and coaly sh 5' Pinus Crameri [illegible] at top. near
Then ss 12' Cone in cone sh 5'. Bed of ss 40' bearing sheets [illegible]
Sh and coaly [illegible] 25'. White ss 5'.
Basalt conformably interbedded 8'
Sandy sh and congl. interbedded 60'. Coarse ss &c' To 1000'
Sandy sh and coal 50'. [illegible] sh to 1100'
Concealed. Coal at 1215'.
1,500'–1575' coaly [illegible] and ss
1900'–2340 ss, heavy with few coaly [illegible]
2340'–2570 Then ss, sh and many coal [illegible]
2525' Basalt rests on sed. conformably [illegible].
Sitenstenfeld glacier descends to 400' or less AT.
[illegible] Sitenstenfeld to [illegible], Ekorfat [illegible]
[illegible] cutting [illegible] between [illegible]
[illegible]. [illegible] Ivnarsuit [illegible] come much
[illegible], [illegible] 1000' A.T.

[illegible] and structure
at Sitenstenfeld.

August 17 - 18[illegible]

Saviarkat and Kook Ungjrutunek

At Saviarkat the dark is exposed probably at tide level and is seen almost continuously along banks of stream, though so scraped as to render its bedding obscure. On reaching A.T. about 400', however, the stream enters a ravine composed of [illegible], where it is found that the [illegible] of the strata [illegible] the beds, 25' ± containing the [illegible] concretions, is exposed and cut by the stream. The same strata is exposed to [illegible] and the beds continue to the head of the ravine about 25' farther where they are capped by [illegible]. The [illegible] therefore to be about 500' to the [illegible] or more, and it is doubtful whether over 200' [illegible], consisting of black shales and dirty sands [illegible] are exposed in the ravine. The concretions are [illegible] in the [illegible] stratum. [illegible] about 6' [illegible] thick. Gorge farther up shows about 300' [illegible].

At Kook are pictured a magnificent exposure of the dark [illegible]. This here probably over 400'-500' thick, [illegible], one or more brown bands, the higher being about 50' (maybe 100') in thickness. The nodules are not abundant, [illegible], and only about one in 20 contains fossils. Wood and invertebrates were observed in nodules. Fossil wood, apparently silicified, were found free in bed of stream.

Sariark'ut etc (continued)

N. from Korkarjnestunek the shales dip less toward the sea, becoming, as seen with the glass from the boat, nearly horizontal, except for a slight rise going west-ward. Before reaching Niakornat the "coal" series, well exposed, is all from sea level to the base of the first trap terrace — over 1000' thick, perhaps 12 or 1300', with a formation, sandy & more weathering yellowish brown, about 75–100' thick — at about 1000 from tide and perhaps 150' below the lignite coal beds. The complete section is not seen at any point.

In general, however, the series is one of marked heterogeneity, having with variable — [illegible] [illegible]. The dark shales, beds breaking in small irregular pieces, weathering in with slight efflorescence, [illegible] resembling putty and broken much in [illegible] [illegible] soil. The streams carrying a white [illegible].

[illegible] Niakornat a [illegible] rise and forms the [illegible] hill (300±) between [illegible] and the [illegible] hills, [illegible] breccia, leaving little [illegible] the village. These basalts are [illegible] [illegible], [illegible] [illegible] x-[illegible] and [illegible] in [illegible]. [illegible] [illegible] and are [illegible]. [illegible] [illegible] [illegible] [illegible] and [illegible] material.

W. of Diaskan at the [illegible] [illegible] falls rapidly, and is soon lost to sight in the cliff just west of the cig west of Niakornat, i.e. about 6 m. from W. Other [illegible] salts are in great abundance forming [illegible], with red streaks of brick color in them. Agate or Chalcedony are also present. [illegible] [illegible] out of the north [illegible] fertlegy is much obscured by the first fall of snow, which covers the [illegible] above 900'–1000' A.T.

Some distance E. of Niakornarsuk the light [illegible] beds appear in section. [illegible] [illegible] all way from Niakornarsuk to Elianatsunguak [illegible] [illegible] walls of dark greenish or rusty brown basalt about 2000' vertical from which cascade streams.

Cretaceous shows along coast for more than one mile W. from Alianatsunguak, capped by basaltic precipitous fortresses. Rocks = tuffs, ss, and coals. [illegible] about 10° E. Only one mile is [illegible]. [illegible] [illegible] is exposed. At Alianatsunguak the [illegible] [illegible] comes down to tide level.

Lower [illegible] [illegible] [illegible], dark sandy sh and coals, above 200 ss tuff. This coal series may be 200' or so and above it are [illegible] [illegible] 300 tuff sh, ss, and then coals and streaks, as well as [illegible] coals. [illegible] [illegible]

Plants were more [illegible].

Otaio cont'd

3d st. – so-called burnt shale – thus reached [illegible] about [illegible] one mile w. of house place, rises to about 25'. Split then, a trifle fissile and [illegible] [illegible] strata and [illegible] [illegible]. Collect. [illegible] of house place, or a little w. of it, [illegible] of tuff SS and sh. at [illegible] of it at about 250'–300' A.T. with [illegible] leaves. Section not found since [illegible] track. Basalt [illegible] intervenes at about 1400', [illegible] from 1440'–2100 the Cretaceous shows again. Layers [illegible] with thin coals and [illegible] tuff SS and sh. in lower [illegible]. Then [illegible] 180' consisting mostly of tuff SS on [illegible] the basalts [illegible] in sharp contact – the basalt [illegible] to the w. [illegible] vertical [illegible]. Collect. of Cretaceous in [illegible]. Cretaceous mostly [illegible] 1000' exposed and [illegible] completely covered [illegible] in [illegible].

Early house place [illegible] occur [illegible], about 50 A.T. Shells preserved and [illegible] photographed. One-half mile E. of house place the red sh. rises [illegible] to nearly 200' and is exposed continuously till near the [illegible] ravine where they become less red, though evidently in same strata – and in [illegible] – the more freshly eroded surfaces they are seen to be dark, very dark, bluish gray or even nearly black and highly carbonaceous. At the mouth of the ravine

on the west, buff ss shows about 75' and at about 100' A.T. This is probably near horizon of plants collected W. of house place, and very likely about the horizon of most of the inver- tebrates. *Pecten atanensis* in black sh. Above this ss is about 75' of coaly sh and dark sandy sh in which at about 60' above ss is plant bearing stratum from which dark sh. ma- terial was obtained. Continuing upward one finds about 300' continuous exposures along ravine, consisting of thin buff ss and dark sandy carbonaceous ss - alternating, the ss and buff then sandy sh. Farther back the series is seen to rise to over 2000'

A noticeable feature is the disappearance of the redness of the shale in approaching the more freshly cut ex- posures near the ravine and already remarked. Another fact is the red weathering of the shales near the plant hori- zon in an apparently long exposed wall of the ravine. On digging these sh the latter are found to be the normal color, but pink or red on the edges exposed. The stream has cut a deep canyon, carrying out a large apron fan of detritus nearly 2 mi in width. Numerous large fragments of tree trunks are found in this talus. Some seem to be wood of palms or ferns. Some specimens taken.

The flora at mouth of ravine is evidently Atane

Atane (continued)

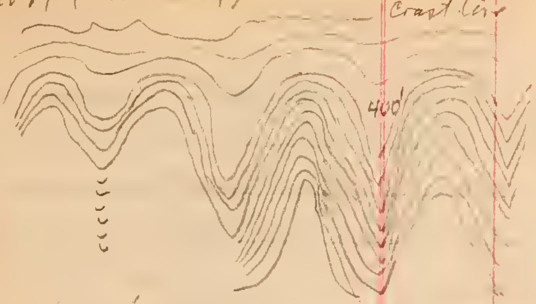
flora, and is no doubt a tor a bit higher than the stage of the invertebrates which seem to agree with those from Korn ungroertunek. On figure no. of marine red beds shown at various levels - larger and med- ium up to basalt cap. Eastward of Patoot the appear as points to occupy the whole interval from tide to cap.

Patoot

On passing from Atane towards Patoot the sedimentary foothills slope with a [illegible] concave curve from the [illegible] offset at [illegible] and [illegible] by [illegible] sharp-V shaped ravines, [illegible] Patoot, which seems to [illegible] sand ravine. These ravines are [illegible] with slopes [illegible] in some and head abruptly. [illegible] the [illegible] from the [illegible] to the [illegible] of sedimentary, [illegible] [illegible] of basalt [illegible] on it. [illegible] these [illegible], [illegible] in the vicinity the land is detrital and [illegible], [illegible] but traversed by numerous [illegible] generally to the [illegible] a [illegible]

Patoot (continued)

Thus:



Curved beds show where we assumed to be most of that concealed at that point to 500'. Few poor frag. ments of plants found at about 1575'. The section is as follows:

1440 - 2180.
1365 white ss.
ascending
6' black sh, plants
15" coal silicified wood etc
15' dark sh
10' ss
40' dark sh
1437
Ironstone at 1640. Has fossils, conifers and ferns.
Fossil wood at 2140 - 2150. Local ferruginous sh. with leaves, but few were obtained.
2160' leaves and poor silicified wood
2200 wood, goes up to near basalt.
2325 base of basalt, unconformable. About 75'-100' thick surmounted by 100' dark sh and 200' yellow ss.

Camp moved Aug. 26 from above place to one next to the most eastern of the long red spurs. Here [illegible] and strata (300±) dip to N. about 15°, and stream cuts down into beds so that fossils collected at 700 A.T. are from strata about 100'-200' lower than those at mouth of ravine. In all probability not more than 1300' of sedimentary

Calc. (cont.)

is disclosed in these exposures. The beds are flatter again near the upper [illegible] — apparently level. Some irregular basalt flows seem to have occurred. [illegible] in their natural [illegible] open. [illegible] are [illegible]. The occurrence of [illegible] in these exposures was in [illegible] suggestion that [illegible] are actually [illegible]. [illegible] evidenced by bleached (now white) [illegible] and [illegible] conditions of the [illegible] Hueco. The [illegible] between [illegible] early camp, [illegible] exposed are [illegible] white, [illegible], although [illegible] just below the main [illegible] they are [illegible], thick and [illegible]. Chemical exam. should be made [illegible], i.e., [illegible], [illegible] appears [illegible] in some [illegible] quite [illegible] [illegible].

Fossil fruit plants [illegible] at 720 ft. [illegible], i.e., [illegible] and [illegible] of [illegible].

Patorfik (cont)

At this camp as at last, the massive white ss – 200'–300' – caps the sedimentaries and lies underneath the basalt, on the highest portions, but in many spurs and some ravines basalt occurs at a much lower level, and the top ss is gone or is partly substituted by banded dark sh and buff ss like those at the top of contr.

The top ss makes a very picturesque formation always eroding into pinnacles, buttresses, hoodoos, etc.

East of Patorfik the series is exposed near Manik, and again between Kingitok and Kaudlok. The interbedded basalts are more distinct. Good exposures near the latter localities, that near Kingitok being near shore. Eastwards the series becomes more arenaceous – less black beds – Near Kaudlok there is slight W dip which appears to continue to near Ataneikardluk.

Eruptive rock shows low on coast at several points.

Atu[illegible] [illegible] X.

Arrived Sat. [illegible] Aug. 28.

Camp in cove [illegible] [illegible] on W. side of peninsular neck. Peninsula [illegible] [illegible] [illegible] in [illegible] [illegible] volcanic, [illegible] [illegible]. Peninsula of basalt [illegible] [illegible] with some interbedded [illegible] [illegible] SS patches [illegible] [illegible] [illegible] extension.

Section up [illegible] [illegible] [illegible] [illegible] [illegible] neck, coral, — [illegible] [illegible] SS up to 250!

At 1000'–1175' [illegible] SS. [illegible] [illegible] [illegible].

[illegible] [illegible] with [illegible] [illegible] SS, [illegible] [illegible] [illegible] [illegible], including [illegible] [illegible] [illegible], up to 1775', where [illegible] basalt [illegible] [illegible] [illegible].

[illegible] trace of [illegible] [illegible] [illegible] [illegible] above 1100'; but no fossils found.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

At 2495' [illegible] [illegible] Telus[illegible] [illegible].

[illegible] 2125' [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] to 2750', [illegible] [illegible] [illegible] Miocene [illegible] [illegible] [illegible] (not [illegible]. "IV"), and is [illegible] by basalt [illegible] at 3040'. [illegible] Telu[illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] with sand and [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] 3240'.

Atanekerdluk (cont.)

White knob ("IV") is about 300'-350' high, capped by 25'-50' of basalt, beneath which is about 75' coarse sandstone, carrying fossiliferous ironstone. Below is mass of sh weathering very fine fissile, black or dark gray. Plants scarce and fragmentary in the concretions. Pass slightly fossiliferous place at 3040 but barometer is wholly unreliable.

Omenak Fjord
Niakornak
Ekkorfat
Angiarsuit
Avkrusak
Karsuit
Pattorfik
Jfsorisok
Netluarsuk
Noursoak
Omenak
Kome
Sermiarsut
Assakak
Storön
Ikaresak
Itiliarsuk Icestream
Sermelik Icestream
Little Karrak Icestream
Great Karrak Icestream
Hare Island
NOURSOAK HALFÖ
Majorsoeitsiak
Waigat Strait
Atane
Mannik
Ritenbenks Kolbrott
Atanekerdluk
Kudliset
Nordfjord
Igdlokungoak
Kikertak
Sakkak
Itidliarsuk
Ujarasusuk
Torsukatek Icestream
Mellemfjord
DISKO
Arve
Prindsen
Eiland
Isungoak
Ritenbenk
Lakebugt
Klokkerhuk
Skandsen
Flakkerhuk
Disko fjord
Sinnifik
Puilasok
Laxebugt
Fortunebay
Godhavn
Jakobshavn
Claushavn
Jacobshavn Icestream
Disko Bay
Crown Prince Island
Dog Island
Green Island
Christianshaab
Egedesminde
Ikamiut
South-east Bay
Manermiut
Sarpiursak
Tessiursarsoak
Excursion on the Inland Ice 19-23 VII 1870
Inland Ice
Kangeitsiak
Auleitsivik Fjord
CHART
of a portion of
NORTH-WEST
GREENLAND
after
H.RINK.
altered according to the positions and measurements obtained by the Swedish Expedition of 1870
+ Position determined
⚒ Locality for Plant-Fossils
- Localities where dredging was carried on by Dr Öberg

UNITED STATES NATIONAL MUSEUM.

SMITHSONIAN INSTITUT

WASHINGTON, D. C.

OFFICIAL BUSINESS.

A penalty of $300 is fixed by law for this envelope for other than Official Busi

This letter was cached on our provision cache at Littleton Island and found when we got back to it.

Til den Governor

af Sarkak.

SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM.

MEMORANDUM.

Steamer Hope August 7. 1897.

To the Governor of Sarkak.

With the permission of Inspector Andersen a party from the United States (Smithsonian Institution) is collecting fossil plants at different places on Nugsuak peninsula. They have [illegible] cases of [illegible] here and will call for them in about two weeks. Would you be so kind to use your good offices for their safe preservation during our absence. With profound respect we remain.

Yours Respectfully

Charles Schuchert

David White.

SMITHSONIAN INSTITUTION.

UNITED STATES NATIONAL MUSEUM.

MEMORANDUM.

Dampskib Hope, den 7 August, 1897.

Til Gouverneuren af Sarkak.

Med Tilladelse af Inspektor Andersen et partie fra Forenede Staten (Smithsonian Institution) samler fossile vexter i forskjellige steder paa Nursoak halvø. De have ladet disse kister af proviant her og de vil komme for at tage dem bort i omtrent to uger. Vi bede Dem godheds-fuelt at sørge for sikkerheden

SMITHSONIAN INSTITUTION.

UNITED STATES NATIONAL MUSEUM.

MEMORANDUM.

af Listerne under vor Fraværelse.

Med Højagtelse

Charles Schuchert

David White

South-east coast of Greenland.

(Nansen, Petermanns Mitteilungen, Ergänzb. XXIII, 1893, pp. 53-68).

Nansen in traveled along the east coast from about 61°30' north to about 64°30'. The inland ice covers the land very greatly and he believes there are but few fiords in this region. The coast is low and rounded from 62°5' to 62°20'. From the latter it is high and serrated to 63°10 and then somewhat lower to 64°30'. The lowest inland land is 677 m. rising to 2300 m.

The low rounded portion he thinks owes its topography to an ice cap while the serrated portion was not covered by an ice cap and owes its shape to weathering.

He saw no sedimentaries all is gneiss, granite and eruptives.

See Meddelelser om Grönland, IX, 1889. for another account of this shore.